

Math 212  
Quiz 26

M 31 Oct 2016

Your name: \_\_\_\_\_

### Exercise

(2 pt) Let  $T : \mathbf{R}^2 \rightarrow \mathbf{R}^2$  be the function given by

$$T(u, v) = (u^2 - v^2, 2uv).$$

Compute the Jacobian determinant of  $T$ .